

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 July 2006 (20.07.2006)

PCT

(10) International Publication Number
WO 2006/074694 A1

(51) International Patent Classification:
C08F 297/08 (2006.01) C08L 23/12 (2006.01)
C08L 23/08 (2006.01)

(21) International Application Number:
PCT/EP2005/000221

(22) International Filing Date: 12 January 2005 (12.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): BORE-
ALIS TECHNOLOGY OY [FI/FI]; P.O. Box 330, FIN-
06101 Porvoo (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LAIHO, Erkki
[FI/FI]; Kaivantotie 7, FIN-06450 Porvoo (FI). SAINIO,
Markku [FI/FI]; Myrskyläntie 696, FIN-06100 Porvoo
(FI). VÄHÄLÄ, Martti [FI/FI]; Vikkulankatu 49 A 1,
FIN-37150 Nokia (FI).

(74) Agent: KADOR & PARTNER; Corneliusstrasse 15,
80469 München (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

WO 2006/074694 A1

(54) Title: EXTRUSION COATING POLYETHYLENE

(57) Abstract: The present invention relates to a polymer composition with good chemical properties and barrier properties being multimodal and comprising a polymer (A) having a weight average molecular weight of lower than 6000 g/mol and a polyolefine (B) having a higher weight average molecular weight than polymer (A) and a filler (C), whereby a polymer composition without filler (C) has a density of 940 kg/m³ or lower.